SEQUENCE LISTING

<110> Goulmy, Elsa

<120> METHOD FOR TYPING OF MINOR HISTOCOMPATIBILITY ANTIGEN HA-1

<130> 2799/58994

<140> 09/269,250
<141> 1998-07-23

<160> 38

<170> PatentIn Ver. 2.1

<210> 1
<211> 377
<212> DNA
<213> Human

<400> 1
gtgagagcca cggggacacc gaggcctggg tggaagacag agccagaccc aagggaggat 60
ggagggaggg acttggggag gctcagaagg gagggaggct cagatggcag ggagggctgt 120
gtggaagagg ccatgacagc taaggctctg agggatgtgt aggagtttgg tgggggagtc 180
cctgagcgta cactggctca agagggtgcc cactttattt tttttaaagg atctgatggc 240
aattaggagg gaaaggcaga ggaaatgtcc catgcacagg ctcagaaaca cggaaacaga 300
gaatgcattt gggggccaag gtgtggggtg ccgctggtgt aggatgaagg catgacaacg 360
ccaggcagaa gggcaat 377

<210> 2
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 2
gtgctgcctc ctggacactg 20

<210> 3
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 3
tggctctcac cgtcatgcag 20

<210> 4
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 4
tggctctcac cgtcacgcaa 20

<210> 5
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 5
gcattctctg tttccgtgtt 20

<210> 6
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 6
cttaaggagt gtgtgctgca 20

<210> 7
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 7
cttaaggagt gtgtgttgcg 20

<210> 8
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 8
gctgtcatgg cctcttccac 20

<210> 9
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 9
gcattctctg tttccgtgtt 20

<210> 10
<211> 20
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<220>
<223> Description of Artificial Sequence: Primer

<400> 10
ggcagagagc cctcgcagcc 20

<210> 11
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 11
gtgtgttgcg tgacggtg 18

<210> 12
<211> 15
<212> DNA
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<220>
<223> Description of Artificial Sequence: Primer

<400> 12
gtgtgttgcg tgacg 15

<210> 13
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 13
tgtgtgttgc gtgacg 16

<210> 14
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 14
tgtgtgctgc atgacggtg 19

<210> 15
<211> 18
<212> DNA
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<220>
<223> Description of Artificial Sequence: Primer

<400> 15
tgtgtgctgc atgacggt 18

<210> 16
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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 16
gtgtgctgca tgacggtg 18

<210> 17
<211> 9
<212> PRT
<213> Human

<220>
<221> SITE
<222> (3)
<223> Wherein Xaa at position 3 represents a histidine (H) or an arginine (R) residue.

<400> 17
Val Leu Xaa Asp Asp Leu Leu Glu Ala
1 5

<210> 18
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 18
gctcctgcat gacgctctgt ctgca 25

<210> 19

<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 19
gacgtcgtcg aggacatctc ccat 24

<210> 20
<211> 25
<212> DNA
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<220>
<223> Description of Artificial Sequence: Primer

<400> 20
gaaggccaca gcaatcgtct ccagg 25

<210> 21
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 21
ccttgagaaa cttaaggagt gtgtgctgca 30

<210> 22
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 22
ccttgagaaa cttaaggagt gtgtgttgcg 30

<210> 23

<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 23
ccggcatgga cgtcgtcgag gacatctccc atc 33

<210> 24
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 24
ctacttcagg ccacagcaat cgtctccagg 30

<210> 25
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<221> CDS
<222> (1)..(27)

<220>
<223> Description of Artificial Sequence: Exon Fragments

<400> 25
gtg ttg cgt gac gac ctc ctt gag gcc 27
Val Leu Arg Asp Asp Leu Leu Glu Ala
1 5

<210> 26
<211> 9
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: Exon Fragments

<400> 26
Val Leu Arg Asp Asp Leu Leu Glu Ala
1 5

<210> 27
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<221> CDS
<222> (1)..(27)

<220>
<223> Description of Artificial Sequence: Exon Fragments

<400> 27
gtg ctg cat gac gac ctc ctt gag gcc 27
Val Leu His Asp Asp Leu Leu Glu Ala
1 5

<210> 28
<211> 9
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: Exon Fragments

<400> 28
Val Leu His Asp Asp Leu Leu Glu Ala
1 5

<210> 29
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Exon Fragments

<400> 29
gtgttgcgtg acggtgagag cca 23

<210> 30
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Exon Fragments

<400> 30
ctcactccga ctctccccag cagacctcct tgaggcc 37

<210> 31
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<221> CDS
<222> (1)..(39)

<220>
<223> Description of Artificial Sequence: PCR Product

<400> 31
gag tgt gtg ttg cgt gac gac ctc ctt gag gcc cgc cgc 39
Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg
1 5 10

<210> 32
<211> 13
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: PCR Product

<400> 32
Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg
1 5 10

<210> 33

<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<221> CDS
<222> (1)..(39)

<220>
<223> Description of Artificial Sequence: PCR Product

<400> 33
gag tgt gtg ctg cat gac gac ctc ctt gag gcc cgc cgc 39
Glu Cys Val Leu His Asp Asp Leu Leu Glu Ala Arg Arg
1 5 10

<210> 34
<211> 13
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: PCR Product

<400> 34
Glu Cys Val Leu His Asp Asp Leu Leu Glu Ala Arg Arg
1 5 10

<210> 35
<211> 78
<212> DNA
<213> Artificial Sequence

<220>
<221> CDS
<222> (1)..(78)

<220>
<223> Description of Artificial Sequence: PCR Product

<400> 35
gag tgt gtg ttg cgt gac gac ctc ctt gag gcc cgc cgc gag tgt gtg 48
Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg Glu Cys Val
1 5 10 15

ctg cat gac gac ctc ctt gag gcc cgc cgc 78
Leu His Asp Asp Leu Leu Glu Ala Arg Arg

20 25

<210> 36
<211> 26
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: PCR Product

<400> 36
Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg Glu Cys Val
1 5 10 15

Leu His Asp Asp Leu Leu Glu Ala Arg Arg
20 25

<210> 37
<211> 9
<212> PRT
<213> Human

<220>
<221> SITE
<222> (2)
<223> Wherein Xaa at position 2 represents Isoleucine or Leucine

<400> 37
Tyr Xaa Thr Asp Arg Val Met Thr Val
1 5

<210> 38
<211> 8
<212> PRT
<213> Human

<400> 38
Val Leu His Asp Leu Leu Glu Ala
1 5